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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/854,977	05/14/2001	Scott LeKuch	YOR920000703US1	9087

7590 02/22/2007  
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EXAMINER
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VO, HUYEN X

ART UNIT	PAPER NUMBER
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2626

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/22/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

09/854,977

Applicant(s)

LEKUCH ET AL.

Examiner

Huyen X. Vo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3, 8-13 and 18-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 8-13 and 18-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 May 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Response to Arguments***

1. Applicant's arguments filed 11/24/2006 have been fully considered but they are not persuasive. First of all, examiner is not aware of any existing system that transmits characters without being represented by character codes. In fact, each character of a document must first be encoded in binary codes, known as character codes before it can be transmitted to the client device. At the client device, the document represented in binary codes or character codes is analyzed using fonts stored in the system's memory to determine an appropriate font for the document. Once an appropriate font is determined, the actual characters of the document are constructed using character code, character size, and character pattern data (*shown in figure 6*). With respect to the bitmap representation, the transmitted document includes character code, character size, and character pattern (*includes bit map, vector data, etc. shown in figure 6*).

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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3. Claims 1-3, 8, 10-13, 18, and 20-21 are rejected under 35 U.S.C. 102(e) as being anticipated by over Funyu (US 6320587).

4. Regarding claims 1, 11, and 21, Funyu discloses a computing system, method, and storage medium, said computing system comprising:

a communication link for bi-directionally providing a communication channel between a host computing device and a companion computing device (*figure 1 shows a bidirectional communication between client and sever*), wherein said host computing device has access to at least one database in which a plurality of messages are stored in bitmap representation (*server in figure 1B storing multimedia data*);

wherein said companion computing device comprises a display device (*Display Unit 23 in figure 1B*) and further comprises a control device for transmitting a request for one of said plurality of messages to said host computing device over said communication link (*col. 6, lines 36-41 or col. 10, lines 43-67*));

wherein said host computing device responds to a receipt of said request for the requested message by retrieving from said at least one database the bitmap representation that corresponds to the requested message (*col. 10, lines 49-53, receiving a document media, which may include text, audio, and image data; also referring to col. 10, lines 24-38, each font includes character code, character size, and bitmap data*), wherein said host computing device transmits to said companion computing device the retrieved bitmap representation of the requested message over said communication link for display on said companion display device (*WWW server,*

(31, FIG. 2a) which downloads fonts, which includes bitmap data, to the client device (Col. 7, lines 58-62)), wherein the retrieved bitmap representation is a symbol representative the requested message to be presented on said display device as part of a user interface of the companion computing device (col. 8, lines 18-26), wherein said message is comprised of at least multiple characters of arbitrary language (col. 8, line 59 to col. 9, line 25), wherein the requested message is formatted for display device (col. 8, lines 23-25), and wherein said companion computing device, without conversion from character codes to graphic elements, presents the bitmap representation as a full screen image of the requested message on said display device (col. 10, lines 27-38, each font data is composed of character code, character size, and bitmap data. These data control how the received document media should look like on the screen of the companion device. There is no conversion from character codes to graphic elements).

5. Regarding claims 2-3, 12-13, and 22, Funyu further discloses wherein said complete message further comprises a character set or a graphic icon (*document media 13 or image media 14 in figure 1B*), wherein individual ones of a plurality of said databases are each associated with a specific language (col. 9, lines 11-17).

6. Regarding claims 8, 18, and 23, Funyu further discloses that the companion computing device stores the image representation transmitted from said host computing device for later use (col. 8, lines 2-4).

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7. Regarding claims 10 and 20, Funyu further discloses that the communication link is a wired or wireless (*col. 5, lines 44-67, Internet communication is inherently either wired or wireless*).

8. Claims 9 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Funyu (US 6320587) in view of Official Notice.

9. Regarding claims 9 and 19, Funyu suggests that a user terminal can be a PDA (*Col. 2, lines 14-16*), but fails to specifically disclose that the companion computing device comprises a digitizer input system having an electronic pen or stylus for handwritten information. However, examiner takes the official notice that it is extremely well known that a typical PDA comprises an electronic pen/stylus for the input of handwritten information.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Funyu to use a PDA with a styluses/electronic pens, as these are exactly the limited capacity processing devices that this invention attempts to improve (*col. 6, lines 19-25*) by offloading font processing to dedicated servers.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen X. Vo whose telephone number is 571-272-7631. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 571-272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HXV

2/11/2007

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**RICHEMOND DORVIL**  
**SUPERVISORY PATENT EXAMINER**